

Profile

Highly motivated and skilled professional with three years of work experience in modern cloud technology. Strong sense of responsibility, positive work attitude, and outstanding teamwork capabilities. Seeking a challenging role in Cloud Software Engineer to apply and further develop my expertise in cloud software development and artificial intelligence.

Education

The University of Edinburgh

Msc Artificial Intelligence

Sep 2018 – Nov 2019

Edinburgh, UK

The University of Nottingham

Bsc Computer Science

Sep 2016 – Jun 2018

Nottingham, UK

The University of Nottingham, Ningbo

Bsc Computer Science

Sep 2014 – Jun 2016

Ningbo, CN

Experience

Intel

Cloud Software Engineer

Oct. 2021 – Jul. 2022

Shanghai, CN

- Developed and implemented Java backend and Python API services.
- Led the successful development and management of CI/CD pipelines, reducing deployment time by 40%.
- Collaborated cross-functionally to enable DevOps practices.
- Supported the release of projects to the validation team, ensuring 100% adherence to project timelines and quality standards.

Transwarp

Software Engineer

Jan. 2021 – Sep. 2021

Shanghai, CN

- Developed log-collection features and multiple metric-collection components in the DevOps platform Aquila, improving data accuracy by 25%.
- Supported SLAs for customers, resolving 90% of reported issues within agreed-upon timeframes.
- Collaborated with teams to implement multi-tenement authentication in Aquila, enhancing security and access control for 500+ users.
- Received recognition for exceptional problem-solving skills and dedication to quality and customer satisfaction.

Bosch

Software Engineer

Dec. 2019 – Jan. 2021

Shanghai, CN

- Designed and developed RESTful APIs, file uploading features, and CRUD functions for backend services, resulting in a 15% increase in API performance.
- Maintained API design documentation, ensuring up-to-date and accurate information for team members.
- Provided customer support and training on utilizing external APIs, resulting in improved customer satisfaction ratings by 20%.
- Maintained the development environment for the team, resulting in a streamlined and efficient workflow.

Projects

Hyper Converged Edge

Oct. 2021 – Jul. 2022

- › Developed Java microservice for a search-car-image-by-image application.
- › Built Python backend API server for database queries.
- › Established CI/CD pipeline from scratch using Jenkins.
- › Deployed the project using Kubernetes (K8s) and Ansible, leveraging Docker images in Harbor.

Aquila Devops Platform

Jan. 2021 – Sep. 2021

- › Developed log collection and metric-collection components for various technologies (ElasticSearch, Kafka, HBase) in Aquila.
- › Monitored cluster status using Prometheus and AlertManager.
- › Utilized Kubernetes (K8s) to build and deploy Docker images.
- › Implemented authentication for multiple tenants in Aquila.
- › Developed metrics for KunDB (OLTP database) using Golang and expvar.
- › Documented SLAs and provided support for existing features and new developments.

FOTA (Firmware over the air)

Dec. 2019 – Jan. 2021

- › Developed Java backend service using Spring Boot for remote software upgrades.
- › Designed and implemented RESTful API interfaces.
- › Created a Python socket server for firmware testing.
- › Collaborated with the Germany team to integrate the backend service with a file encryption system.

Least Polluted Routes - Msc Dissertation

May. 2019 – Aug. 2019

- › Developed an Android map application to help users find the least polluted routes.
- › Utilized OpenStreetMap and collected air pollution data in Edinburgh.
- › Preprocessed map and air pollution data using Python.
- › Implemented the Android application in Java and developed a RESTful API service using Spring Boot.
- › Deployed the Spring Boot application on Google Cloud Engine for path planning algorithms.

Skills

Programming languages Java, Python, Golang

Cloud Technologies Kubernetes, Docker, CI/CD, Jenkins, Kafka, ElasticSearch, Prometheus

Language Chinese: Native | English: Conversational